



DEPARTMENT OF THE ARMY
US ARMY PUBLIC HEALTH COMMAND (PROVISIONAL)
5158 BLACKHAWK ROAD
ABERDEEN PROVING GROUND, MD 21010-5403

13 DEC 2009

MCHB-TS-RDE

MEMORANDUM FOR Office of the Command Surgeon (MAJ (b) (6)), US Central Command, 7115 South Boundary Boulevard, MacDill Air Force Base, FL 33621-5101

SUBJECT: Deployment Occupational and Environmental Health Risk Characterization, Soil and Associated Dust Samples, Fiddlers Green, Afghanistan, 21 September 2009, U_AFG_FIDDLERSGREEN_CM_SQA_20090921

1. The enclosed report details the occupational and environmental health (OEH) risk characterization for six soil samples collected by Marine Expeditionary Battalion-A personnel at Fiddlers Green, Afghanistan, 21 September 2009.
2. The OEH risk estimate for exposure to the soil and associated dust at Fiddlers Green, Afghanistan is **low**. None of the chemical or physical parameters were detected at concentrations above their respective military exposure guidelines. Exposure to the soil and associated dust is expected to have little or no impact on unit readiness.

FOR THE COMMANDER:

(b) (6)

Encl

Director, Health Risk Management

CF: (w/encl)

MEB-A-CE (LTJG (b) (6))

MEB-A, CLR-2 (LT (b) (6))

30th MEDCOM(Liaison Officer/LTC (b) (6))

30th MEDCOM (Environmental Science Officer/LTC (b) (6))

CJTF-82 (Command Surgeon Office /CPT (b) (6))

ARCENT (Command Surgeon Office /LTC (b) (6))

CSTC-A (Command Surgeon Office /Maj (b) (6))

ARCENT (Force Health Protection Officer/LTC (b) (6))

CFLCC/USA 3RD MDSC (MAJ (b) (6))

NMCPHC (Expeditionary Preventive Medicine/Mr. (b) (6))

USAPHC-EUR (MCHB-AE-EE/CPT (b) (6))

U.S. Army Public Health Command
(Provisional)

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DEPLOYMENT OCCUPATIONAL AND ENVIRONMENTAL
HEALTH RISK
CHARACTERIZATION
SOIL AND ASSOCIATED DUST SAMPLES
FIDDLERS GREEN, AFGHANISTAN
21 SEPTEMBER 2009
U_AFG_FIDDLERSGREEN_CM_SQA_20090921

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Command, 7115 South Boundary Boulevard, MacDill Air Force
Base, FL 33621-5101.

Preventive Medicine Survey: 40-5f1

DEPLOYMENT OCCUPATIONAL AND ENVIRONMENTAL
HEALTH RISK CHARACTERIZATION
SOIL AND ASSOCIATED DUST SAMPLES
FIDDLERS GREEN, AFGHANISTAN
21 SEPTEMBER 2009
U_AFG_FIDDLERSGREEN_CM_SQA_20090921

1. REFERENCES.

a. Department of the Army, Field Manual (FM) 5-19, Composite Risk Management, 21 August 2006.

b. U.S. Army Center for Health Promotion and Preventive Medicine (USACHPPM) Technical Guide (TG) 230, Chemical Exposure Guidelines for Deployed Military Personnel, Version 1.3, May 2003 with the January 2004 addendum.

c. USACHPPM Reference Document (RD) 230, Chemical Exposure Guidelines for Deployed Military Personnel, Version 1.3, May 2003 with January 2004 addendum.

2. PURPOSE. According to U.S. Department of Defense medical surveillance requirements, this occupational and environmental health (OEH) risk characterization documents the identification and assessment of chemical hazards that pose potential health and operational risks to deployed troops. Specifically, the samples and information provided on the associated field data sheets were used to estimate the operational health risk associated with personnel exposure to identified chemical hazards in the soil at Fiddlers Green, Afghanistan.

3. SCOPE. This assessment addresses the analytical results for six soil samples collected from Fiddlers Green, Afghanistan, 21 September 2009. These samples are limited in time, area, and media. Therefore, this report should not be considered a complete assessment of the overall OEH hazards to which troops may be exposed at this location. However, this assessment has been performed using operational risk management (ORM) doctrine FM 5-19, and the relatively conservative (protective) assumptions and methods provided in TG 230, to facilitate decision making that can minimize the likelihood of significant risks.

4. BACKGROUND AND EXPOSURE ASSUMPTIONS. The soil samples were collected to assess the potential for adverse health effects to personnel coming into contact with the sampled soil and associated dust at Fiddlers Green, Afghanistan.

a. Sample AFG FIDDLE_09263_01S: This is a composite, surface soil sample collected from the well. The sampling area was dusty and had farmers within close range. Personnel are expected to remain at this location for less than 1 year. The

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degree of exposure to the soil is considered high (that is, fighting position, maintenance area, physical training area, excavating, filling sandbags, etc.). It is expected that all of the personnel at this location are exposed to the soil in this area.

b. Sample AFG FIDDLE 09263 02S: This is a composite, surface soil sample collected from the dining and kitchen area. Personnel are expected to remain on at this location for approximately 1 year. The degree of exposure to the soil is considered medium (that is, walking area, common area, grassy athletic fields, etc.). It is expected that all of the personnel at this location are exposed to the soil in this area.

c. Sample AFG FIDDLE 09263 03S: This is a composite, surface soil sample collected near the medical facility and recreation area. Personnel are expected to remain at this location for less than 1 year. The degree of exposure to the soil is considered medium (that is, walking area, common area, grassy athletic fields, etc.). It is expected that 50 to 75 percent of the personnel at this location are exposed to the soil in this area.

d. Sample AFG FIDDLE 09264 04S: This is a composite, surface soil sample collected from the fuel point. Personnel are expected to remain at this location for less than 1 year (7 months). The degree of exposure to the soil is considered medium (that is, walking area, common area, grassy athletic fields, etc.). It is expected that 10 to 25 percent of the personnel at this location are exposed to the soil in this area.

e. Sample AFG FIDDLE 09264 05S: This is a composite, surface soil sample collected from the Class I lot. Personnel are expected to remain at this location for less than 1 year (7 months). The degree of exposure to the soil is considered medium (that is, walking area, common area, grassy athletic fields, etc.). It is expected that 10 to 25 percent of the personnel at this location are exposed to the soil in this area.

f. Sample AFG FIDDLE 09264 06S: This is a composite, surface soil sample collected from the burn pit. Personnel are expected to remain at this location for less than 1 year (7 months). The degree of exposure to the soil is considered low (that is, non traffic areas, restricted areas, etc.). It is expected that 10 to 25 percent of the personnel at this location are exposed to the soil in this area.

5. METHOD. The USAPHC Deployment Environmental Surveillance Program uses the TG 230 methodology and associated military exposure guidelines (MEGs) to assess identified hazards and estimate risk in a manner consistent with doctrinal risk management procedures and terminology. This method includes identification of the hazard(s), assessment of the hazard severity and probability, and determination of a risk estimate and associated level of confidence. As part of the hazard identification

step, the long-term (1-year) MEGs are used as screening criteria to identify those hazards that are potential health threats. These 1-year MEGs represent exposure concentrations at or below which no significant health effects (including delayed or chronic disease or significant increased risk of cancer) are anticipated even after 1 year of continuous daily exposures. Short-term MEGs are used to assess one time or intermittent exposures. The underlying toxicological basis for the MEGs is addressed in the RD 230. Since toxicological information about potential health effects varies among different chemicals, the determination of severity of effects when MEGs are exceeded involves professional judgment. Hazards with exposure concentrations greater than MEGs are identified as potential health threats, carried through the hazard assessment process, and assigned a risk estimate consistent with ORM methodology. Hazards that are either not detected or are present only at levels below the 1-year MEGs are not considered health threats and, therefore, are automatically assigned a low operational risk estimate.

6. HAZARD IDENTIFICATION AND ASSESSMENT.

a. Laboratory Analysis. The six soil samples were analyzed for metals, pesticides/polychlorinated biphenyls (PCBs), herbicides, radionuclides, and semivolatile organic compounds (SVOCs). An information summary for the samples is contained in Appendix A. Appendix B presents a sample results summary table for all detected parameters. Appendix C presents detailed laboratory results.

b. Risk Estimate. None of the parameters detected in the six soil samples collected were present at concentrations greater than their respective MEGs. Therefore, no potential health threats were identified, and the risk estimate is considered **low**.

7. **CONCLUSION**. The OEH risk estimate for exposure to the soil and associated dust at Fiddlers Green, Afghanistan is **low**. Confidence in the risk estimate is considered low because it is unknown whether the samples collected are representative of the entire camp.

8. RECOMMENDATIONS AND NOTES.

a. Recommendations.

(1) Although there is a low risk of mission impact due to exposure to soil and associated dust at this location, the following general personal protection recommendations should be followed.

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(a) Minimize skin exposure to the soil and associated dust, the uniform should be worn properly: roll sleeves down, tuck pants into boots, and tuck undershirt into pants.

(b) Ensure hand washing stations are readily available. Wash hands and face with soap and water prior to eating, drinking, or smoking.

(c) Report any symptoms to a health care provider in order to identify potential causes and implement hazard control measures.

(2) Collect additional soil samples from this site/area if there is a known change in or concern with the soil conditions.

b. Notes.

(1) This OEH risk assessment is specific to the exposure assumptions identified above and the sample results assessed in this report. If the assumed exposure scenario changes, provide updated information so that the risk estimate can be reassessed. If additional samples from these areas are collected, a new OEH risk assessment will be completed.

(2) As part of a Comprehensive Military Medical Surveillance Program, required by Department of Defense Directive (DoDD) 6490.02E and Department of Defense Instruction (DoDI) 6490.03, this report has been submitted to the Deployment Occupational and Environmental Health Surveillance-Data Portal (DOEHS-DP). You can view this and other archived DOEHS data at <https://doehsportal.apgea.army.mil/doehrs-oehs/>. If you have additional DOEHS data for this location it can also be submitted via this Web site.

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9. POINTS OF CONTACT. The USAPHC points of contact for this assessment are Mr. (b) (6) and Mr. (b) (6). Mr. (b) (6) may be contacted at e-mail (b) (6); Mr. (b) (6) may be contacted at e-mail (b) (6), or DSN (b) (6) or commercial (b) (6)

(b) (6)

Environmental Scientist
Deployment Environmental Surveillance
Program

Approved by:

(b) (6)

MAJ, MS
Program Manager
Deployment Environmental Surveillance

Deployment OEH Risk Characterization, Soil and Associated Dust Samples, Fiddlers Green, Afghanistan, 21 Sep 09,
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APPENDIX A

INFORMATION SUMMARY
SOIL AND ASSOCIATED DUST SAMPLES
FIDDLERS GREEN, AFGHANISTAN
21 SEPTEMBER 2009

DOEHRS Sample ID	Field/Local Sample ID	Site	Start Date/Time	Collection Type
000019F0	AFGFIDDLE09_263_01S	Well	2009/09/20 1840	Soil-Composite
000019F1	AFGFIDDLE09_263_02S	Dining area	2009/09/20 1900	Soil-Composite
000019F2	AFGFIDDLE09_263_03S	Medical	2009/09/20 1915	Soil-Composite
000019F3	AFG_FIDDLE_04S_09264	Fuel point	2009/09/21 1000	Soil-Composite
000019F5	AFG_FIDDLE_05S_09264	Class one lot	2009/09/21 1000	Soil-Composite
000019F7	AFG_FIDDLE_06S_09264	Burn pit	2009/09/21 1000	Soil-Composite

LEGEND:

DOEHRS Sample ID = Deployment Occupational and Environmental Health Readiness System Sample Identification Number

Deployment OEH Risk Characterization, Soil and Associated Dust Samples, Fiddlers Green, Afghanistan, 21 Sep 09,
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APPENDIX B

RESULTS SUMMARY
SOIL AND ASSOCIATED DUST SAMPLES
FIDDLERS GREEN, AFGHANISTAN
21 SEPTEMBER 2009

Parameter ¹	Units	Sample Identification						USACHPPM TG230 Military Exposure Guideline (MEG)	
		AFGFIDDLE09 _263_01S	AFGFIDDLE 09_263_02S	AFGFIDDLE 09_263_03S	AFG_FIDDLE _04S_09264	AFG_FIDDLE _05S_09264	AFG_FIDDLE _06S_09264	1 year	
		Well	Dining area	Medical	Fuel point	Class one lot	Burn pit	# > MEG	MEG
Concentration								# > MEG	MEG
Actinium-228	µCi/g	< 0.00000118	< 0.000000798	0.00000108	0.00000085	0.000000809	< 0.000000897	none	
Barium	mg/kg	66.5	49.8	69.4	62.2	60.8	65.4	0	18000
Bismuth-214	µCi/g	0.000000926	0.000000593	0.00000105	0.00000064	0.000000657	0.000000875	none	
Cadmium	mg/kg	< 3.98	< 3.72	4.34	< 4.01	< 4.05	4.22	0	130
Cesium-137	µCi/g	0.000000216	0.000000273	< 0.000000198	0.000000163	0.000000231	0.000000316	none	
Chromium	mg/kg	26	16.9	28.8	25.2	21.1	24.2	0	5700
Di(2-ethylhexyl)phthalate	mg/kg	0.37	0.72	1.1	0.49	< 0.34	2	0	2900
Dimethylphthalate	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	2.2	0	100000
Di-n-butylphthalate	mg/kg	< 0.34	0.98	0.94	< 0.34	< 0.34	0.35	0	26000
Nickel	mg/kg	21.5	16.3	27.2	25	19.1	21.8	0	5300
Phenol	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	0.53	0	31000
Strontium	mg/kg	807	330	135	214	312	378	0	140000

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Parameter ¹	Units	Sample Identification						USACHPPM TG230 Military Exposure Guideline (MEG)	
		AFGFIDDLE09 _263_01S	AFGFIDDLE 09_263_02S	AFGFIDDLE 09_263_03S	AFG_FIDDLE _04S_09264	AFG_FIDDLE _05S_09264	AFG_FIDDLE _06S_09264	1 year	
		Well	Dining area	Medical	Fuel point	Class one lot	Burn pit	# > MEG	MEG
Thorium-234	µCi/g	< 0.00000275	0.00000284	< 0.00000196	< 0.00000167	< 0.00000181	0.00000233	none	

¹Laboratory detection limit is parameter and sample specific

LEGEND:

mg/kg = milligram per kilogram

µCi/g = micro curies per gram

APPENDIX C

ANALYTICAL SAMPLE RESULTS
 SOIL AND ASSOCIATED DUST SAMPLES
 FIDDLERS GREEN, AFGHANISTAN
 21 SEPTEMBER 2009

DOEHRS Sample ID			000019F0	000019F1	000019F2	000019F3	000019F5	000019F7
Field/Local Sample ID			AFGFIDDLE09_263_01S	AFGFIDDLE09_263_02S	AFGFIDDLE09_263_03S	AFG_FIDDLE_04S_09264	AFG_FIDDLE_05S_09264	AFG_FIDDLE_06S_09264
Site			Well	Dining area	Medical	Fuel point	Class one lot	Burn pit
Start Date/Time			2009/09/20 1840	2009/09/20 1900	2009/09/20 1915	2009/09/21 1000	2009/09/21 1000	2009/09/21 1000
Parameter	Class	Units	Concentration ^{1,2}					
1,2,4-Trichlorobenzene	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
1,2-Dichlorobenzene	VOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
1,3-Dichlorobenzene	VOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
1,4-Dichlorobenzene	VOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
2,4,5-T	Herbicides	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,5-TP (Silvex)	Herbicides	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,5-Trichlorophenol	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
2,4,6-Trichlorophenol	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
2,4-D	Herbicides	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-DB	Herbicides	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dichlorophenol	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34

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 U_AFG_FIDDLERSGREEN_CM_SQA_20090921

DOEHRS Sample ID			000019F0	000019F1	000019F2	000019F3	000019F5	000019F7
Field/Local Sample ID			AFGFIDDLE09_263_01S	AFGFIDDLE09_263_02S	AFGFIDDLE09_263_03S	AFG_FIDDLE_04S_09264	AFG_FIDDLE_05S_09264	AFG_FIDDLE_06S_09264
Site			Well	Dining area	Medical	Fuel point	Class one lot	Burn pit
Start Date/Time			2009/09/20 1840	2009/09/20 1900	2009/09/20 1915	2009/09/21 1000	2009/09/21 1000	2009/09/21 1000
Parameter	Class	Units	Concentration ^{1,2}					
2,4-Dimethylphenol	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
2,4-Dinitrophenol	SVOC	mg/kg	< 0.68	< 0.68	< 0.67	< 0.67	< 0.68	< 0.67
2,4-Dinitrotoluene	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
2,6-Dinitrotoluene	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
2-Chloronaphthalene	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
2-Chlorophenol	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
2-Methyl-4,6-dinitrophenol	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
2-Methylnaphthalene	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
2-Methylphenol (o-Cresol)	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
2-Nitroaniline	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
2-Nitrophenol	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
3,5-Dichlorobenzoic acid	Herbicides	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
3-Nitroaniline	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
4-Chloro-3-methylphenol	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
4-Chloroaniline	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
4-Methylphenol (p-Cresol)	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
4-Nitroaniline	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
4-Nitrophenol	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34

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DOEHRS Sample ID			000019F0	000019F1	000019F2	000019F3	000019F5	000019F7
Field/Local Sample ID			AFGFIDDLE09_263_01S	AFGFIDDLE09_263_02S	AFGFIDDLE09_263_03S	AFG_FIDDLE_04S_09264	AFG_FIDDLE_05S_09264	AFG_FIDDLE_06S_09264
Site			Well	Dining area	Medical	Fuel point	Class one lot	Burn pit
Start Date/Time			2009/09/20 1840	2009/09/20 1900	2009/09/20 1915	2009/09/21 1000	2009/09/21 1000	2009/09/21 1000
Parameter	Class	Units	Concentration ^{1,2}					
Acenaphthene	PAH	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Acenaphthylene	PAH	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Acifluorfen	Herbicides	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Actinium-228		µCi/g	< 0.00000118	< 0.000000798	0.00000108	0.00000085	0.000000809	< 0.000000897
Alachlor	Herbicides	mg/kg	< 0.203	< 0.20400	< 0.201	< 0.202	< 0.20400	< 0.202
Aldrin	Insecticides	mg/kg	< 0.0508	< 0.051100	< 0.050300	< 0.0505	< 0.051000	< 0.0505
alpha-Chlordane	Insecticides	mg/kg	< 0.0508	< 0.051100	< 0.050300	< 0.0505	< 0.051000	< 0.0505
alpha-HCH (alpha-BHC)	Insecticides	mg/kg	< 0.0508	< 0.051100	< 0.050300	< 0.0505	< 0.051000	< 0.0505
Anthracene	PAH	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Aroclor 1016	PCB	mg/kg	< 0.203	< 0.20400	< 0.201	< 0.202	< 0.20400	< 0.202
Aroclor 1221	PCB	mg/kg	< 0.203	< 0.20400	< 0.201	< 0.202	< 0.20400	< 0.202
Aroclor 1232	PCB	mg/kg	< 0.203	< 0.20400	< 0.201	< 0.202	< 0.20400	< 0.202
Aroclor 1242	PCB	mg/kg	< 0.203	< 0.20400	< 0.201	< 0.202	< 0.20400	< 0.202
Aroclor 1248	PCB	mg/kg	< 0.203	< 0.20400	< 0.201	< 0.202	< 0.20400	< 0.202
Aroclor 1254	PCB	mg/kg	< 0.203	< 0.20400	< 0.201	< 0.202	< 0.20400	< 0.202
Aroclor 1260	PCB	mg/kg	< 0.203	< 0.20400	< 0.201	< 0.202	< 0.20400	< 0.202
Arsenic	Metals	mg/kg	< 39.8	< 37.2	< 39.5	< 40.1	< 40.5	< 40.2
Aspon	Insecticides	mg/kg	< 0.10200	< 0.10200	< 0.101	< 0.101	< 0.10200	< 0.101

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DOEHRS Sample ID			000019F0	000019F1	000019F2	000019F3	000019F5	000019F7
Field/Local Sample ID			AFGFIDDLE09_263_01S	AFGFIDDLE09_263_02S	AFGFIDDLE09_263_03S	AFG_FIDDLE_04S_09264	AFG_FIDDLE_05S_09264	AFG_FIDDLE_06S_09264
Site			Well	Dining area	Medical	Fuel point	Class one lot	Burn pit
Start Date/Time			2009/09/20 1840	2009/09/20 1900	2009/09/20 1915	2009/09/21 1000	2009/09/21 1000	2009/09/21 1000
Parameter	Class	Units	Concentration ^{1,2}					
Atrazine	Herbicides	mg/kg	< 2.0300	< 2.04	< 2.0100	< 2.02	< 2.04	< 2.02
Azinphos-ethyl	Insecticides	mg/kg	< 0.203	< 0.20400	< 0.201	< 0.202	< 0.20400	< 0.202
Azinphos-methyl	Insecticides	mg/kg	< 0.203	< 0.20400	< 0.201	< 0.202	< 0.20400	< 0.202
Barium	Metals	mg/kg	66.5	49.8	69.4	62.2	60.8	65.4
Benefin	Herbicides	mg/kg	< 0.10200	< 0.10200	< 0.101	< 0.101	< 0.10200	< 0.101
Bentazon	Herbicides	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benz[a]anthracene	PAH	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Benzo[a]pyrene	PAH	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Benzo[b]fluoranthene	PAH	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Benzo[g,h,i]perylene	PAH	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Benzo[k]fluoranthene	PAH	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Benzyl alcohol	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Beryllium	Metals	mg/kg	< 1.99	< 1.86	< 1.97	< 2.0	< 2.02	< 2.01
beta-HCH (beta-BHC)	Insecticides	mg/kg	< 0.0508	< 0.051100	< 0.050300	< 0.0505	< 0.051000	< 0.0505
Bis(2-chloroethoxy)methane	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Bis(2-chloroethyl)ether	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Bis(2-chloroisopropyl) ether	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Bismuth-214		µCi/g	9.26E-07	5.93E-07	0.00000105	0.00000064	0.000000657	0.000000875

Deployment OEH Risk Characterization, Soil and Associated Dust Samples, Fiddlers Green, Afghanistan, 21 Sep 09,
 U_AFG_FIDDLERSGREEN_CM_SQA_20090921

DOEHRS Sample ID			000019F0	000019F1	000019F2	000019F3	000019F5	000019F7
Field/Local Sample ID			AFGFIDDLE09_263_01S	AFGFIDDLE09_263_02S	AFGFIDDLE09_263_03S	AFG_FIDDLE_04S_09264	AFG_FIDDLE_05S_09264	AFG_FIDDLE_06S_09264
Site			Well	Dining area	Medical	Fuel point	Class one lot	Burn pit
Start Date/Time			2009/09/20 1840	2009/09/20 1900	2009/09/20 1915	2009/09/21 1000	2009/09/21 1000	2009/09/21 1000
Parameter	Class	Units	Concentration ^{1,2}					
Bolstar	Insecticides	mg/kg	< 0.203	< 0.20400	< 0.201	< 0.202	< 0.20400	< 0.202
Bromacil	Herbicides	mg/kg	< 0.406	< 0.40900	< 0.402	< 0.404	< 0.40800	< 0.404
Butylbenzylphthalate	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Cadmium	Metals	mg/kg	< 3.98	< 3.72	4.34	< 4.01	< 4.05	4.22
Carbophenothion	Insecticides	mg/kg	< 0.203	< 0.20400	< 0.201	< 0.202	< 0.20400	< 0.202
Cesium-134		µCi/g	< 0.000000179	< 0.000000137	< 0.000000130	< 0.0000000905	< 0.000000097	< 0.000000141
Cesium-137		µCi/g	2.16E-07	2.73E-07	< 0.000000198	0.000000163	0.000000231	0.000000316
Chlordane, technical	Insecticides	mg/kg	< 0.203	< 0.20400	< 0.201	< 0.202	< 0.20400	< 0.202
Chlorfenvinphos	Insecticides	mg/kg	< 0.10200	< 0.10200	< 0.101	< 0.101	< 0.10200	< 0.101
Chloroneb	Fungicides	mg/kg	< 0.25400	< 0.256	< 0.25200	< 0.253	< 0.255	< 0.253
Chlorothalonil	Fungicides	mg/kg	< 0.10200	< 0.10200	< 0.101	< 0.101	< 0.10200	< 0.101
Chlorpyrifos	Insecticides	mg/kg	< 0.10200	< 0.10200	< 0.101	< 0.101	< 0.10200	< 0.101
Chlorpyrifos-methyl	Insecticides	mg/kg	< 0.10200	< 0.10200	< 0.101	< 0.101	< 0.10200	< 0.101
Chromium	Metals	mg/kg	26	16.9	28.8	25.2	21.1	24.2
Chrysene	PAH	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
cis-Permethrin	Insecticides	mg/kg	< 0.406	< 0.40900	< 0.402	< 0.404	< 0.40800	< 0.404
Cobalt-60		µCi/g	< 0.000000214	< 0.000000125	< 0.000000132	< 0.000000123	< 0.0000000972	< 0.000000161

Deployment OEH Risk Characterization, Soil and Associated Dust Samples, Fiddlers Green, Afghanistan, 21 Sep 09,
 U_AFG_FIDDLERSGREEN_CM_SQA_20090921

DOEHRS Sample ID			000019F0	000019F1	000019F2	000019F3	000019F5	000019F7
Field/Local Sample ID			AFGFIDDLE09_263_01S	AFGFIDDLE09_263_02S	AFGFIDDLE09_263_03S	AFG_FIDDLE_04S_09264	AFG_FIDDLE_05S_09264	AFG_FIDDLE_06S_09264
Site			Well	Dining area	Medical	Fuel point	Class one lot	Burn pit
Start Date/Time			2009/09/20 1840	2009/09/20 1900	2009/09/20 1915	2009/09/21 1000	2009/09/21 1000	2009/09/21 1000
Parameter	Class	Units	Concentration ^{1,2}					
Coumaphos	Insecticides	mg/kg	< 0.203	< 0.20400	< 0.201	< 0.202	< 0.20400	< 0.202
Crotoxyphos	Insecticides	mg/kg	< 0.203	< 0.20400	< 0.201	< 0.202	< 0.20400	< 0.202
DCPA (Dacthal)	Herbicides	mg/kg	< 0.10200	< 0.10200	< 0.101	< 0.101	< 0.10200	< 0.101
delta-HCH (delta-BHC)	Insecticides	mg/kg	< 0.0508	< 0.051100	< 0.050300	< 0.0505	< 0.051000	< 0.0505
Di(2-ethylhexyl)phthalate	SVOC	mg/kg	0.37	0.72	1.1	0.49	< 0.34	2
Diazinon	Insecticides	mg/kg	< 0.10200	< 0.10200	< 0.101	< 0.101	< 0.10200	< 0.101
Dibenz[a,h]anthracene	PAH	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Dibenzofuran	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Dicamba	Herbicides	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dichlofenthion	Insecticides	mg/kg	< 0.10200	< 0.10200	< 0.101	< 0.101	< 0.10200	< 0.101
Dichloroprop	Herbicides	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dichlorvos	Insecticides	mg/kg	< 0.203	< 0.20400	< 0.201	< 0.202	< 0.20400	< 0.202
Dicloran	Fungicides	mg/kg	< 0.203	< 0.20400	< 0.201	< 0.202	< 0.20400	< 0.202
Dieldrin	Insecticides	mg/kg	< 0.0508	< 0.051100	< 0.050300	< 0.0505	< 0.051000	< 0.0505
Diethylphthalate	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Dimethoate	Insecticides	mg/kg	< 0.406	< 0.40900	< 0.402	< 0.404	< 0.40800	< 0.404
Dimethylphthalate	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	2.2
Di-n-butylphthalate	SVOC	mg/kg	< 0.34	0.98	0.94	< 0.34	< 0.34	0.35

Deployment OEH Risk Characterization, Soil and Associated Dust Samples, Fiddlers Green, Afghanistan, 21 Sep 09,
 U_AFG_FIDDLERSGREEN_CM_SQA_20090921

DOEHRS Sample ID			000019F0	000019F1	000019F2	000019F3	000019F5	000019F7
Field/Local Sample ID			AFGFIDDLE09_263_01S	AFGFIDDLE09_263_02S	AFGFIDDLE09_263_03S	AFG_FIDDLE_04S_09264	AFG_FIDDLE_05S_09264	AFG_FIDDLE_06S_09264
Site			Well	Dining area	Medical	Fuel point	Class one lot	Burn pit
Start Date/Time			2009/09/20 1840	2009/09/20 1900	2009/09/20 1915	2009/09/21 1000	2009/09/21 1000	2009/09/21 1000
Parameter	Class	Units	Concentration ^{1,2}					
Di-n-octylphthalate	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Dinoseb	Herbicides	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Disulfoton	Insecticides	mg/kg	< 0.203	< 0.20400	< 0.201	< 0.202	< 0.20400	< 0.202
Endosulfan I	Insecticides	mg/kg	< 0.0508	< 0.051100	< 0.050300	< 0.0505	< 0.051000	< 0.0505
Endosulfan II	Insecticides	mg/kg	< 0.10200	< 0.10200	< 0.101	< 0.101	< 0.10200	< 0.101
Endosulfan sulfate	Insecticides	mg/kg	< 0.10200	< 0.10200	< 0.101	< 0.101	< 0.10200	< 0.101
Endrin	Insecticides	mg/kg	< 0.0508	< 0.051100	< 0.050300	< 0.0505	< 0.051000	< 0.0505
EPN	Insecticides	mg/kg	< 0.10200	< 0.10200	< 0.101	< 0.101	< 0.10200	< 0.101
Ethion	Insecticides	mg/kg	< 0.10200	< 0.10200	< 0.101	< 0.101	< 0.10200	< 0.101
Ethoprop	Insecticides	mg/kg	< 0.10200	< 0.10200	< 0.101	< 0.101	< 0.10200	< 0.101
Etridiazole	Fungicides	mg/kg	< 0.203	< 0.20400	< 0.201	< 0.202	< 0.20400	< 0.202
Europium-152		µCi/g	< 0.000000677	< 0.000000382	< 0.000000402	< 0.000000353	< 0.000000327	< 0.000000396
Famphur	Insecticides	mg/kg	< 0.203	< 0.20400	< 0.201	< 0.202	< 0.20400	< 0.202
Fenarimol	Fungicides	mg/kg	< 0.0508	< 0.051100	< 0.050300	< 0.0505	< 0.051000	< 0.0505
Fenitrothion	Insecticides	mg/kg	< 0.10200	< 0.10200	< 0.101	< 0.101	< 0.10200	< 0.101
Fensulfthion	Insecticides	mg/kg	< 1.02	< 1.02	< 1.01	< 1.01	< 1.02	< 1.01
Fenthion	Insecticides	mg/kg	< 0.203	< 0.20400	< 0.201	< 0.202	< 0.20400	< 0.202
Fluchloralin	Herbicides	mg/kg	< 0.203	< 0.20400	< 0.201	< 0.202	< 0.20400	< 0.202

Deployment OEH Risk Characterization, Soil and Associated Dust Samples, Fiddlers Green, Afghanistan, 21 Sep 09,
 U_AFG_FIDDLERSGREEN_CM_SQA_20090921

DOEHRS Sample ID			000019F0	000019F1	000019F2	000019F3	000019F5	000019F7
Field/Local Sample ID			AFGFIDDLE09_263_01S	AFGFIDDLE09_263_02S	AFGFIDDLE09_263_03S	AFG_FIDDLE_04S_09264	AFG_FIDDLE_05S_09264	AFG_FIDDLE_06S_09264
Site			Well	Dining area	Medical	Fuel point	Class one lot	Burn pit
Start Date/Time			2009/09/20 1840	2009/09/20 1900	2009/09/20 1915	2009/09/21 1000	2009/09/21 1000	2009/09/21 1000
Parameter	Class	Units	Concentration ^{1,2}					
Fluoranthene	PAH	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Fluorene	PAH	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Fonofos	Insecticides	mg/kg	< 0.10200	< 0.10200	< 0.101	< 0.101	< 0.10200	< 0.101
gamma-Chlordane	Insecticides	mg/kg	< 0.0508	< 0.051100	< 0.050300	< 0.0505	< 0.051000	< 0.0505
gamma-HCH (gamma-BHC, Lindane)	Insecticides	mg/kg	< 0.0508	< 0.051100	< 0.050300	< 0.0505	< 0.051000	< 0.0505
Heptachlor	Insecticides	mg/kg	< 0.0508	< 0.051100	< 0.050300	< 0.0505	< 0.051000	< 0.0505
Heptachlor epoxide	Insecticides	mg/kg	< 0.0508	< 0.051100	< 0.050300	< 0.0505	< 0.051000	< 0.0505
Hexachlorobenzene	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Hexachlorobutadiene	VOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Hexachlorocyclopentadiene	SVOC	mg/kg	< 0.68	< 0.68	< 0.67	< 0.67	< 0.68	< 0.67
Hexachloroethane	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Indeno[1,2,3-cd]pyrene	PAH	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Isazophos	Insecticides	mg/kg	< 0.10200	< 0.10200	< 0.101	< 0.101	< 0.10200	< 0.101
Isufenphos	Insecticides	mg/kg	< 0.10200	< 0.10200	< 0.101	< 0.101	< 0.10200	< 0.101
Isophorone	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Lead	Metals	mg/kg	< 9.94	< 9.29	< 9.86	< 10.0	< 10.1	< 10.0
Leptophos	Insecticides	mg/kg	< 0.10200	< 0.10200	< 0.101	< 0.101	< 0.10200	< 0.101
Malathion	Insecticides	mg/kg	< 0.10200	< 0.10200	< 0.101	< 0.101	< 0.10200	< 0.101

Deployment OEH Risk Characterization, Soil and Associated Dust Samples, Fiddlers Green, Afghanistan, 21 Sep 09,
 U_AFG_FIDDLERSGREEN_CM_SQA_20090921

DOEHRS Sample ID			000019F0	000019F1	000019F2	000019F3	000019F5	000019F7
Field/Local Sample ID			AFGFIDDLE09_263_01S	AFGFIDDLE09_263_02S	AFGFIDDLE09_263_03S	AFG_FIDDLE_04S_09264	AFG_FIDDLE_05S_09264	AFG_FIDDLE_06S_09264
Site			Well	Dining area	Medical	Fuel point	Class one lot	Burn pit
Start Date/Time			2009/09/20 1840	2009/09/20 1900	2009/09/20 1915	2009/09/21 1000	2009/09/21 1000	2009/09/21 1000
Parameter	Class	Units	Concentration ^{1,2}					
MCPA	Herbicides	mg/kg	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MCPP	Herbicides	mg/kg	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Mercury	Metals	mg/kg	< 0.0121	< 0.012	< 0.012	< 0.0121	< 0.0121	< 0.0121
Methoxychlor	Insecticides	mg/kg	< 1.02	< 1.02	< 1.01	< 1.01	< 1.02	< 1.01
Mevinphos	Insecticides	mg/kg	< 0.406	< 0.40900	< 0.402	< 0.404	< 0.40800	< 0.404
Mirex	Insecticides	mg/kg	< 0.0508	< 0.051100	< 0.050300	< 0.0505	< 0.051000	< 0.0505
Naphthalene	PAH	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Nickel	Metals	mg/kg	21.5	16.3	27.2	25	19.1	21.8
Nitrobenzene	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
N-Nitrosodimethylamine	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
N-Nitrosodiphenylamine	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
N-Nitrosodipropylamine	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
o,p'-DDD	Insecticides	mg/kg	< 0.0508	< 0.051100	< 0.050300	< 0.0505	< 0.051000	< 0.0505
o,p'-DDE	Insecticides	mg/kg	< 0.0508	< 0.051100	< 0.050300	< 0.0505	< 0.051000	< 0.0505
o,p'-DDT	Insecticides	mg/kg	< 0.0508	< 0.051100	< 0.050300	< 0.0505	< 0.051000	< 0.0505
Oxadiazon	Herbicides	mg/kg	< 0.0508	< 0.051100	< 0.050300	< 0.0505	< 0.051000	< 0.0505
Oxychlorane	Insecticides	mg/kg	< 0.0508	< 0.051100	< 0.050300	< 0.0505	< 0.051000	< 0.0505
p,p'-DDD	Insecticides	mg/kg	< 0.0508	< 0.051100	< 0.050300	< 0.0505	< 0.051000	< 0.0505

Deployment OEH Risk Characterization, Soil and Associated Dust Samples, Fiddlers Green, Afghanistan, 21 Sep 09,
 U_AFG_FIDDLERSGREEN_CM_SQA_20090921

DOEHRS Sample ID			000019F0	000019F1	000019F2	000019F3	000019F5	000019F7
Field/Local Sample ID			AFGFIDDLE09_263_01S	AFGFIDDLE09_263_02S	AFGFIDDLE09_263_03S	AFG_FIDDLE_04S_09264	AFG_FIDDLE_05S_09264	AFG_FIDDLE_06S_09264
Site			Well	Dining area	Medical	Fuel point	Class one lot	Burn pit
Start Date/Time			2009/09/20 1840	2009/09/20 1900	2009/09/20 1915	2009/09/21 1000	2009/09/21 1000	2009/09/21 1000
Parameter	Class	Units	Concentration ^{1,2}					
p,p'-DDE	Insecticides	mg/kg	< 0.0508	< 0.051100	< 0.050300	< 0.0505	< 0.051000	< 0.0505
p,p'-DDT	Insecticides	mg/kg	< 0.0508	< 0.051100	< 0.050300	< 0.0505	< 0.051000	< 0.0505
Parathion-ethyl (Parathion)	Insecticides	mg/kg	< 0.10200	< 0.10200	< 0.101	< 0.101	< 0.10200	< 0.101
Parathion-methyl	Insecticides	mg/kg	< 0.10200	< 0.10200	< 0.101	< 0.101	< 0.10200	< 0.101
p-Bromophenyl phenyl ether	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
p-Chlorophenyl phenyl ether	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Pentachloronitrobenzene	Fungicides	mg/kg	< 0.10200	< 0.10200	< 0.101	< 0.101	< 0.10200	< 0.101
Pentachlorophenol	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Permethrin, trans-	Insecticides	mg/kg	< 0.406	< 0.40900	< 0.402	< 0.404	< 0.40800	< 0.404
Phenanthrene	PAH	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Phenol	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	0.53
Phorate	Insecticides	mg/kg	< 0.406	< 0.40900	< 0.402	< 0.404	< 0.40800	< 0.404
Phosmet	Insecticides	mg/kg	< 0.203	< 0.20400	< 0.201	< 0.202	< 0.20400	< 0.202
Picloram	Herbicides	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Procymidone	Fungicides	mg/kg	< 0.203	< 0.20400	< 0.201	< 0.202	< 0.20400	< 0.202
Pronamide	Herbicides	mg/kg	< 0.406	< 0.40900	< 0.402	< 0.404	< 0.40800	< 0.404
Propazine	Herbicides	mg/kg	< 2.0300	< 2.04	< 2.0100	< 2.02	< 2.04	< 2.02
Propetamphos	Insecticides	mg/kg	< 0.10200	< 0.10200	< 0.101	< 0.101	< 0.10200	< 0.101

Deployment OEH Risk Characterization, Soil and Associated Dust Samples, Fiddlers Green, Afghanistan, 21 Sep 09,
 U_AFG_FIDDLERSGREEN_CM_SQA_20090921

DOEHRS Sample ID			000019F0	000019F1	000019F2	000019F3	000019F5	000019F7
Field/Local Sample ID			AFGFIDDLE09_263_01S	AFGFIDDLE09_263_02S	AFGFIDDLE09_263_03S	AFG_FIDDLE_04S_09264	AFG_FIDDLE_05S_09264	AFG_FIDDLE_06S_09264
Site			Well	Dining area	Medical	Fuel point	Class one lot	Burn pit
Start Date/Time			2009/09/20 1840	2009/09/20 1900	2009/09/20 1915	2009/09/21 1000	2009/09/21 1000	2009/09/21 1000
Parameter	Class	Units	Concentration ^{1,2}					
Protactinium-234M		µCi/g	< 0.000022100	< 0.0000147	< 0.0000118	< 0.0000145	< 0.0000136	< 0.0000186
Protothiophos	Insecticides	mg/kg	< 0.203	< 0.20400	< 0.201	< 0.202	< 0.20400	< 0.202
Pyrene	SVOC	mg/kg	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Ronnel	Insecticides	mg/kg	< 0.10200	< 0.10200	< 0.101	< 0.101	< 0.10200	< 0.101
Selenium	Metals	mg/kg	< 9.94	< 9.29	< 9.86	< 10.0	< 10.1	< 10.0
Silver	Metals	mg/kg	< 1.99	< 1.86	< 1.97	< 2.0	< 2.02	< 2.01
Simazine	Herbicides	mg/kg	< 2.0300	< 2.04	< 2.0100	< 2.02	< 2.04	< 2.02
Strontium	Metals	mg/kg	807	330	135	214	312	378
Sulfotep	Insecticides	mg/kg	< 0.10200	< 0.10200	< 0.101	< 0.101	< 0.10200	< 0.101
Terbufos	Insecticides	mg/kg	< 0.10200	< 0.10200	< 0.101	< 0.101	< 0.10200	< 0.101
Tetrachlorvinphos	Insecticides	mg/kg	< 0.203	< 0.20400	< 0.201	< 0.202	< 0.20400	< 0.202
Thorium-234		µCi/g	< 0.00000275	0.00000284	< 0.00000196	< 0.00000167	< 0.00000181	0.00000233
Total solids	Characteristic	mg/kg	985000	978000	994000	990000	980000	990000
Toxaphene	Insecticides	mg/kg	< 1.02	< 1.02	< 1.01	< 1.01	< 1.02	< 1.01
trans-Nonachlor	Insecticides	mg/kg	< 0.0508	< 0.051100	< 0.050300	< 0.0505	< 0.051000	< 0.0505
Trichloronate	Insecticides	mg/kg	< 0.203	< 0.20400	< 0.201	< 0.202	< 0.20400	< 0.202
Trifluralin	Herbicides	mg/kg	< 0.10200	< 0.10200	< 0.101	< 0.101	< 0.10200	< 0.101
Uranium-235		µCi/g	< 0.0000013	< 0.000000901	< 0.000000864	< 0.00000070	< 0.000000759	< 0.000000982

Deployment OEH Risk Characterization, Soil and Associated Dust Samples, Fiddlers Green, Afghanistan, 21 Sep 09,
 U_AFG_FIDDLERSGREEN_CM_SQA_20090921

DOEHRS Sample ID			000019F0	000019F1	000019F2	000019F3	000019F5	000019F7
Field/Local Sample ID			AFGFIDDLE09_263_01S	AFGFIDDLE09_263_02S	AFGFIDDLE09_263_03S	AFG_FIDDLE_04S_09264	AFG_FIDDLE_05S_09264	AFG_FIDDLE_06S_09264
Site			Well	Dining area	Medical	Fuel point	Class one lot	Burn pit
Start Date/Time			2009/09/20 1840	2009/09/20 1900	2009/09/20 1915	2009/09/21 1000	2009/09/21 1000	2009/09/21 1000
Parameter	Class	Units	Concentration ^{1,2}					
Vinclozolin	Fungicides	mg/kg	< 0.203	< 0.20400	< 0.201	< 0.202	< 0.20400	< 0.202
Zinophos	Insecticides	mg/kg	< 0.10200	< 0.10200	< 0.101	< 0.101	< 0.10200	< 0.101

¹ < X.XX = Below laboratory reporting limit (X.XX)

² Laboratory reporting limit is parameter and sample specific

LEGEND:

DOEHRS Sample ID = Deployment Occupational and Environmental Health Readiness System Sample Identification Number

mg/kg = milligrams per kilogram

µCi/g = micro curies per gram